Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of June 2007. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of June 2007.

Communicable Diseases

In total, there were **340** new infections occurring across 26 communicable diseases** (excluding sexually transmitted infections and HIV) in June 2007. The observed numbers of cases were within the expected range for all of the reported communicable diseases with the exception of 2 cases of Mumps with the expected range of 0-1 cases and three cases of Diphyllobothrium species with the expected range of 0-1 cases. The expected number of cases and accompanying range is based on the number of cases during May, June and July 2002-2006.

Both MRSA and Clostridium difficile accounted for 66% of all non-STI/HIV related communicable diseases reported to Manitoba Health. The C. difficile tend to concentrate in the 60+ age group, while cases of MRSA are reported in all age groups.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **406** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in June: 296 cases of chlamydia (Ct), 58 cases of gonorrhoea (GC), 48 GC-Ct co-infections, and 4 cases of syphilis. The 42% of all GC and Ct cases in the province were reported among females of age group 15-24 years. More than half of all GC and Ct cases (51%) were reported for individuals living in the Winnipeg health region, and an additional 18% were from the Burntwood health region.

In June, 19 individuals tested positive for hepatitis C virus in Manitoba, which were exactly half the number of HCV cases reported in the month of May 2007. The 63% of this month HCV cases were reported from the Winnipeg health region. About 53% of all HCV positive cases were in the 40-59 years age groups, while 32% of total HCV cases were reported in the age group of 30-39 years. Two female Manitobans (including one nominal case which is not mentioned in the table) tested positive for HIV in June 2007.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

Ascariasis (ICD9: 127.0)
Leishmaniasis – unspecified (ICD9: 085.9)
Methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
Penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
Schistosomiasis (ICD9: 120)
Streptococcus pneumoniae – other site (ICD9: 041.2)
Strongyloides (ICD9: 127.2)
Vancomycin resistant enterococci (VRE)
Tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Please feel free in contacting me should you have any questions about this report.

Thanking you

Dr. Suresh Khatkar
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR June 2007

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2006	2007	Expected*	Ex. Range**	2006	2007
006.9	AMEBIASIS	7	4	3	0-7	24	25
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			0	0-1		2
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0		1
320.1	BAC. MENINGITIS - PNEUM			0	0-1	1	3
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS		6		***		16
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	1	2	1	0-3	4	3
008.43	CAMPYLOBACTER	32	25	22	5-39	95	95
558.2	CLOSTRIDIUM DIFFICILE	86	68		***	621	544
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	1	1	2	0-5	10	11
061.0	DENGUE FEVER			0	0-0	2	2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-1		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP	1	3	0	0-1	4	4
008.0	E. COLI-VEROTOXIGENIC	15	9	9	0-19	38	17
054.3	ENCEPHALITIS			0	0-1		
005.9	FOOD POISONING OTHER			0	0-2		
007.1	GIARDIA LAMBLIA	8	6	12	4-20	54	42
041.5	H.I.B.-NON MTGS			0	0-1		
041.59	HAEM. INFLUENZAE (non-B)				***		7
480.8	HANTA VIRUS			0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		1
070.1	HEPATITIS A	1	1	3	0-11	7	6
070.3	HEPATITIS B	1		1	0-2	4	2
070.51	HEPATITIS C	32	19	35	17-53	145	170
054.8	HERPES-W-UNSPEC COMPL			0	0-1	4	
487.1A	INFLUENZA A				***		70
487.1B	INFLUENZA B				***		1
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA			0	0-1		
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-1	1	
027.0	LISTERIA MONOCYTOGENES	1		0	0-1	2	
088.81	LYME DISEASE			0	0-2		
084	MALARIA	8		2	0-6	12	7
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	1	
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-0		
B95.6	MRSA	126	158	73	0-167	675	903
072.9	MUMPS		2	0	0-1		5
036.89	N.MENINGITIDIS OTHER			0	0-1	2	3
728.86	NECROTIZING FASCIITIS	6	2	1	0-4	10	3
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-1		
033.1	PARAPERTUSSIS				***		

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2006	2007	Expected*	Ex. Range**	2006	2007
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS		1	4	0-9	5	6
038.2	PNEUM. SEPTICEMIA	9	8	7	1-13	62	45
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		1
056.9	RUBELLA		1	0	0-0		2
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3		1
003.0	SALMONELLA	11	15	14	6-22	80	109
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS	1	1	1	0-3	5	7
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-0		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0	1	
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0		
481	STREPTOCOCCUS PNEUMONIAE	1		0	0-1	1	1
127.2	STRONGYLOIDES	2		0	0-1	3	11
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS	1		1	0-5	1	
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI		1	0	0-0		1
013	TUBERCULOSIS - NON-RESP.	3	1	2	0-5	18	9
011	TUBERCULOSIS - RESP.	3	2	7	2-12	44	38
010	TUBERCULOSIS-PRIM.			1	0-6	12	2
021.9	TULAREMIA			0	0-1		
002.0	TYPHOID			0	0-0		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	3	1		***	25	23
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK	1		1	0-4	1	
047.1	VIRAL MENINGITIS-ECHO			3	0-10	5	
047.8	VIRAL MENINGITIS-ENTERO	1	1		***	2	1
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-0		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***		
198	WNV NEUROLOGICAL SYNDROME				***		
197	WNV NON-NEUROLOGICAL SYND		1		***		1
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	2	1	1	0-3	9	6
		364	**340**			**1990**	**2208**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR June 2007

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS				1							1		1						1									4
116.0	BLASTOMYCOSIS												2					1			1		2						6
005.2	C. PERFRINGENS											2																	2
008.43	CAMPYLOBACTER				3	2	1	1			3	2	3		2			1	2		2	1				1	1		25
558.2	CLOSTRIDIUM DIFFICILE							1							1	1	2	2	1	4	2	8	6	4	8	17	11		68
007.8	CRYPTOSPORIDIOSIS									1																			1
123.4	DIPHYLLOBOTHRIUM				1				1											1									3
008.0	E.COLI 0157				4	2										1			1					1					9
007.1	GIARDIA LAMBLIA				2								1							2						1			6
070.1	HEPATITIS A																								1				1
070.51	HEPATITIS C											1		1		1	5	1	4	1	4		1						19
B95.6	MRSA		3	4	4	3	5	4	4	5	8		5	4	6	6	9	12	11	6	8	5	5	8	9	8	16		158
072.9	MUMPS												1			1													2
728.86	NECROTIZING FASCIITIS																2												2
033.0	PERTUSSIS		1																										1
056.9	RUBELLA													1															1
003.0	SALMONELLA								1	2	1					1		2	1	2				2	1	2			15
004	SHIGELLOSIS																	1											1
038.2	STREP.PNEUMOCOCCAL SEPTIC			1	2											1					1	1				1	1		8
086	TRYPANOSOMIASIS																		1										1
013	TUBERCULOSIS - NON-RESP.																		1										1
011	TUBERCULOSIS - RESP.																				2								2
B96.8	VANCOMYCIN RES. ENTER.																			1									1
047.8	VIRAL MENINGITIS-ENTERO	1																											1
197	WNV Non-Neurological Synd																				1								1
008.44	YERSINIA ENTEROCOLITICA							1																					1

ICD9	Disease Name	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
		1	4	5	17	7	6	7	6	8	12	6	12	7	9	12	18	20	22	18	21	15	14	16	18	30	29		340

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR June 2007

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	3															1						4
116.0	BLASTOMYCOSIS	4	1										1										6
005.2	C. PERFRINGENS	2																					2
008.43	CAMPYLOBACTER	6	2				5				4		4		3			1					25
558.2	CLOSTRIDIUM DIFFICILE	48	4	1					1		5		7		2								68
007.8	CRYPTOSPORIDIOSIS								1														1
123.4	DIPHYLLOBOTHRIUM	2																	1				3
008.0	E.COLI 0157	4							3		1				1								9
007.1	GIARDIA LAMBLIA	1			1		1						2		1								6
070.1	HEPATITIS A														1								1
070.51	HEPATITIS C	12	1	1			1										2		1			1	19
B95.6	MRSA	74			2		2		5		3			1	3	1	7	54	5	1			158
072.9	MUMPS	2																					2
728.86	NECROTIZING FASCIITIS	1																1					2
033.0	PERTUSSIS	1																					1
056.9	RUBELLA	1																					1
003.0	SALMONELLA	10	1								1	1			2								15
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SEPTIC	4			1				1				1					1					8
086	TRYPANOSOMIASIS	1																					1
013	TUBERCULOSIS - NON-RESP.																	1					1
011	TUBERCULOSIS - RESP.	1																1					2
B96.8	VANCOMYCIN RES. ENTER.							1															1
047.8	VIRAL MENINGITIS-ENTERO	1																					1
197	WNV Non-Neurological Synd						1																1
008.44	YERSINIA ENTEROCOLITICA	1																					1
		180	**9**	**2**	**4**		**10**	**1**	**11**		**14**	**1**	**15**	**1**	**13**	**1**	**10**	**59**	**7**	**1**		**1**	**340**
Missing Investigation Forms (Jan.1 to end of May)		125	6	1	1		4	2	11		4		3		2		4	5	5			1	174

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - June 2007

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2006**	**2007**	**2006**	**2007**
All Chlamydia Infections	348	344	2073	2276
All Gonorrhea Infections (including PRNG)	143	106	825	638
All Syphilis Infections	7	4	31	27
Gonorrhea & Chlamydia Co-infections	49	48	264	254
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	3	1	37	33

Total Number of STD Cases by Age and Gender - June 2007

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
Chlamydia Only Cases					1		10		68	21	64	35	29	26	15	18	3	5				1						296
Gonorrhea Only Cases									8	3	9	11	2	7	4	9		2		2		1						58
Syphilis Only Cases												1				2		1										4
GC and CT Cases									10	4	10	15	2	2	1	1		1		2								48
					1		10		86	28	83	62	33	35	20	30	3	9		4		2						406
HIV													1															1

Regional STD Distribution - June 2007

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	177	18	5	12		4	4	6	1	12		9	3	6	6	16	47	14		3	1	344
All Gonorrhea Infections	49	3	5	3		1	1	3	1	5				2		5	16	11		1		106
All Syphilis Infections	4																					4
GC and CT Infections	19	3		2			1	1	1	1				1		3	10	6				48

Missing Investigation Forms (Jan.1 to end of May)	106	29	13	6		6	2	20		5		18	2	3	2	13	27	7				259

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction